

National Oceanic and Atmospheric Administration (NOAA)
Commercial Remote Sensing Regulatory Affairs Office (CRSRAO)
Compliance and Monitoring
Public Summary

Licensee of Record: University of Alaska Fairbanks
Corporate Affiliation: None
Licensed System(s) of Record: Alaska Research CubeSat 1 (ARC1)

1. Name, mailing address, telephone number of licensee

University of Alaska Fairbanks
West Ridge Research Building, Suite 008
909 Tanana Loop
Fairbanks, AK 99775
907-474-7301

2. Description of the System

The Alaska Research CubeSat (ARC1) mission is a technology demonstration mission to increase the technology readiness level of the ARC subsystems and to provide NASA relevant data of the launch environment. Beyond validating the basic platform, two critical subsystems will be tested, (i) a novel low-power attitude control and determination system, and (ii) a communication system capable of high bandwidth data transfer. Data includes launch environment parameters, low resolution images of the earth, and basic satellite health telemetry. The satellite has been placed in a slightly elliptical orbit with an inclination of approximately 64 degrees. ARC1 is the first satellite designed, built, tested and operated by engineering and science students from Alaska.

3. Name and Address of POC

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